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FIGURE 1A

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FIGURE 1B

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FIGURE 1C

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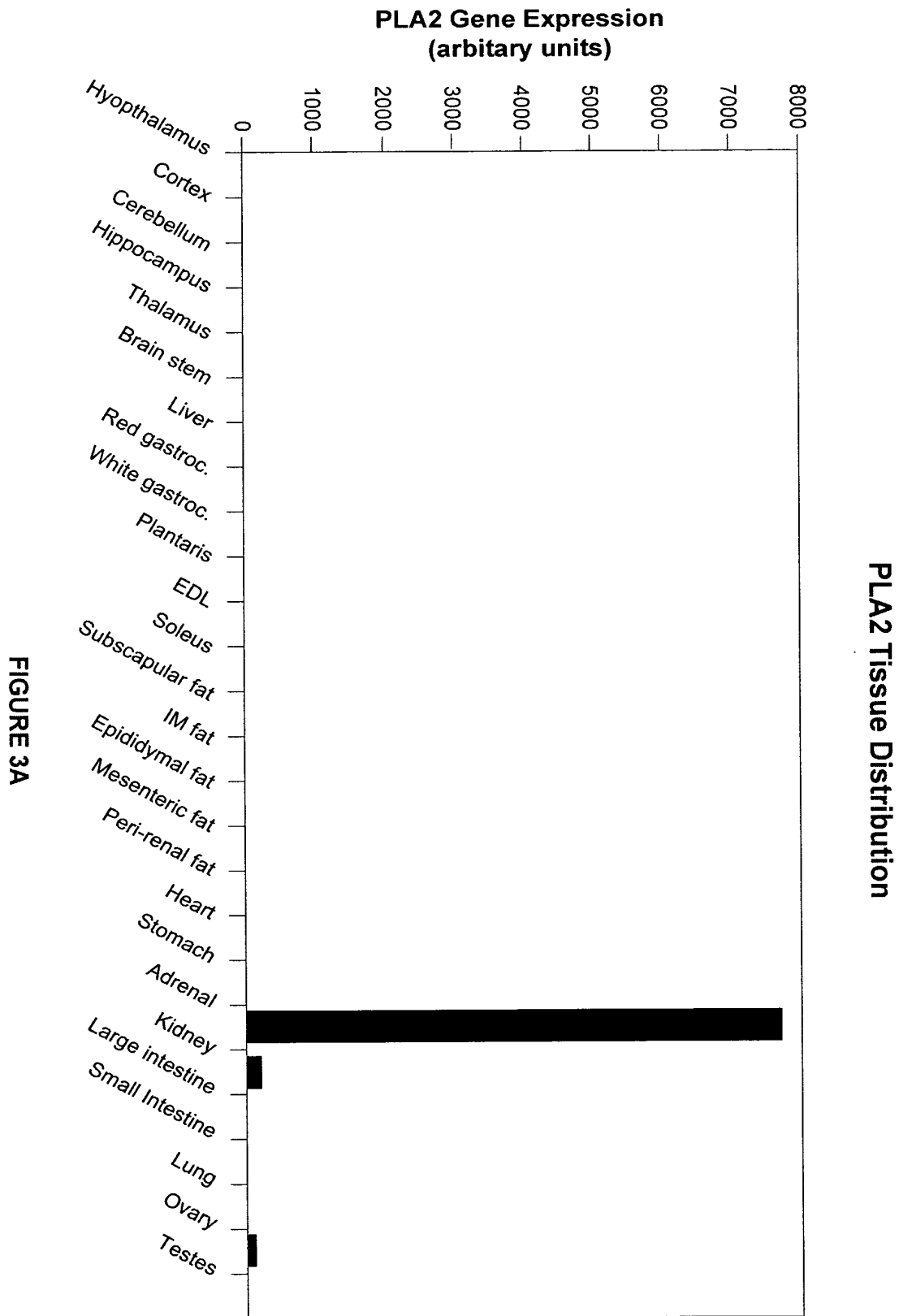
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FIGURE 1D

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FIGURE 2



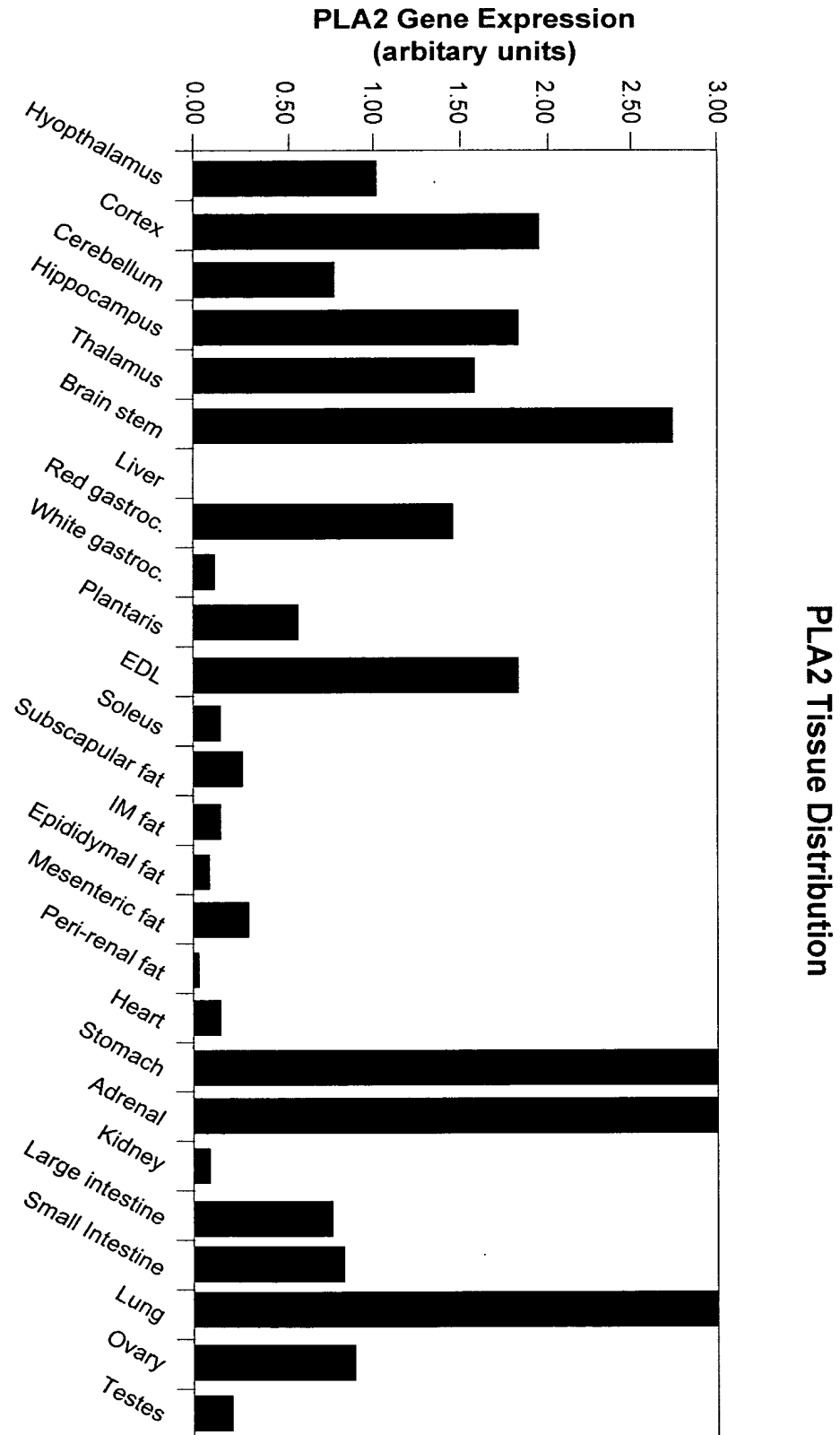


FIGURE 3B

PLA2 Gene Expression in Four, Lean, Healthy *Psammomys obesus* Animals

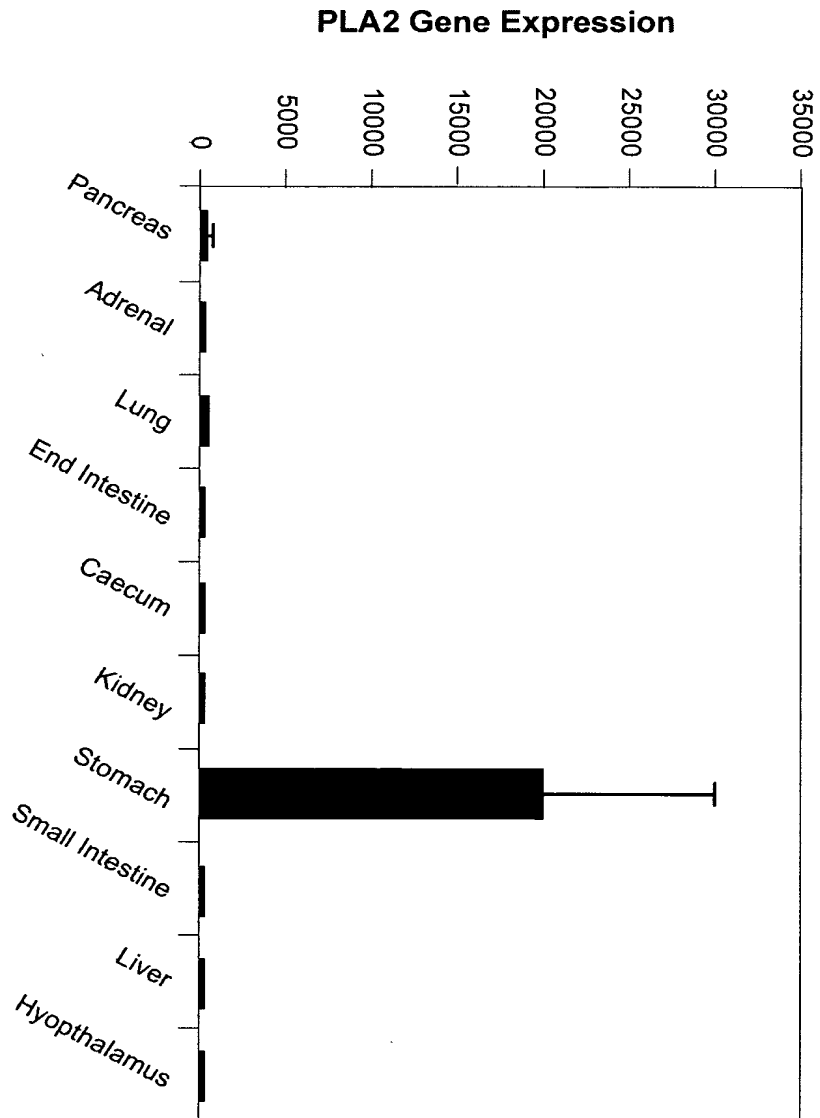


FIGURE 3C

PLA2 Gene Expression in Four, Lean, Healthy *Psammomys obesus* Animals

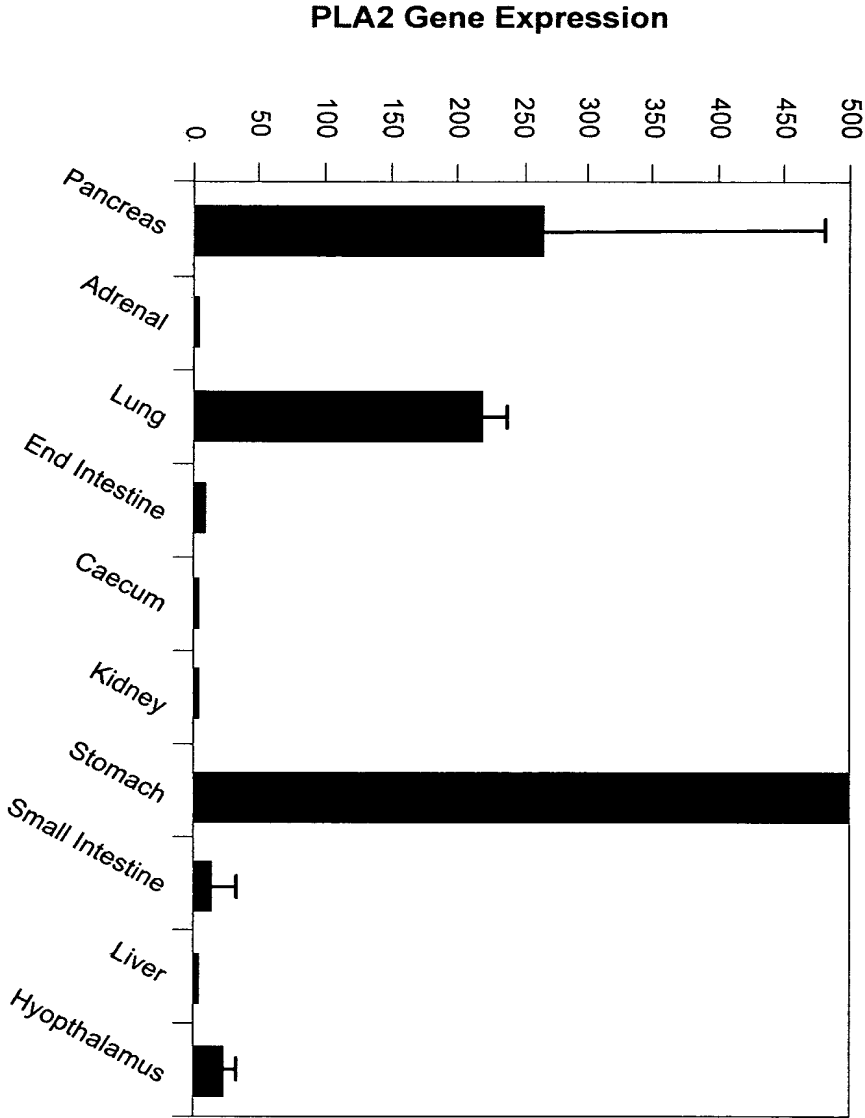


FIGURE 3D

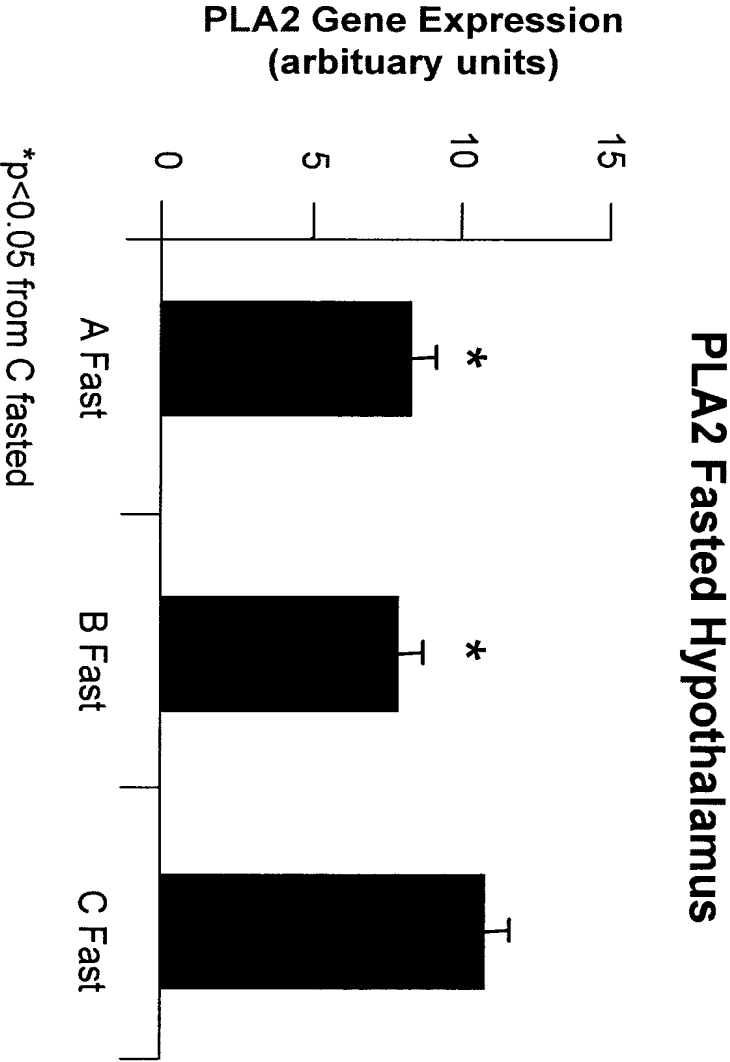


FIGURE 4A

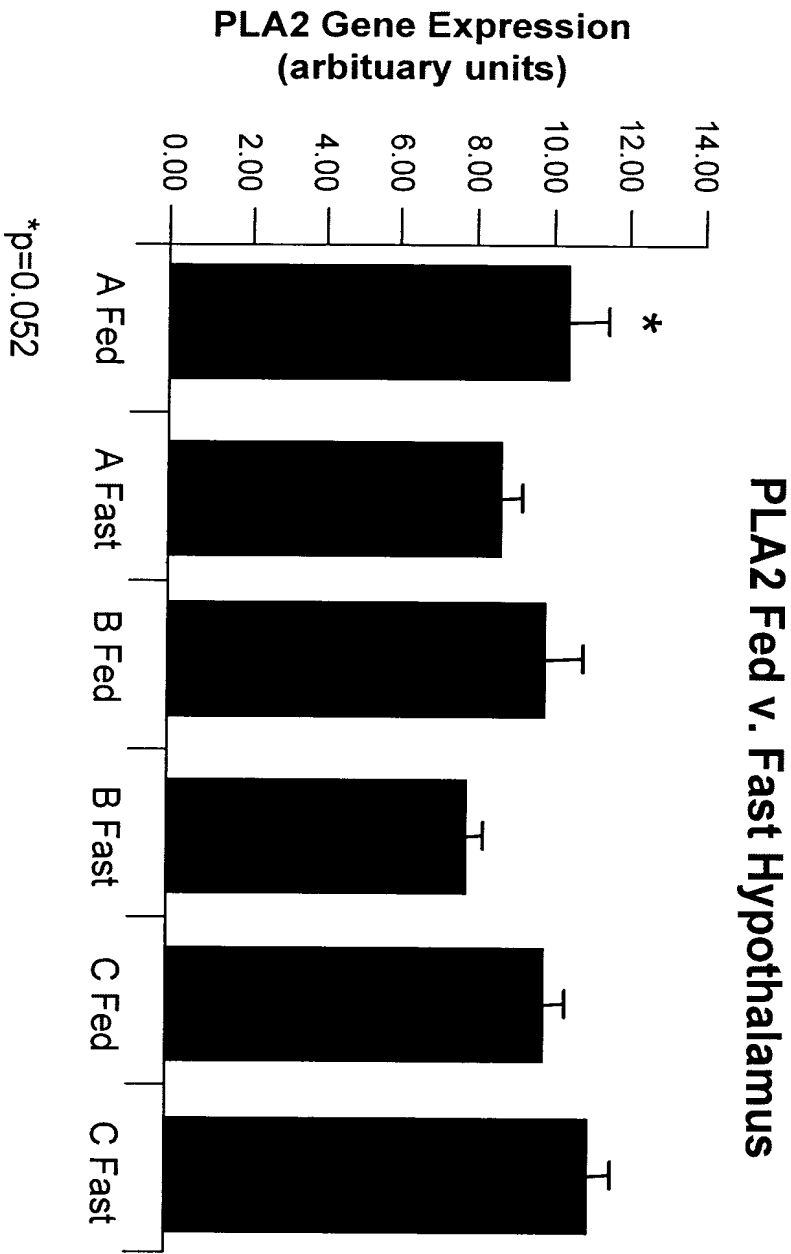


FIGURE 4B

PLA2 v BW (Fasted animals)

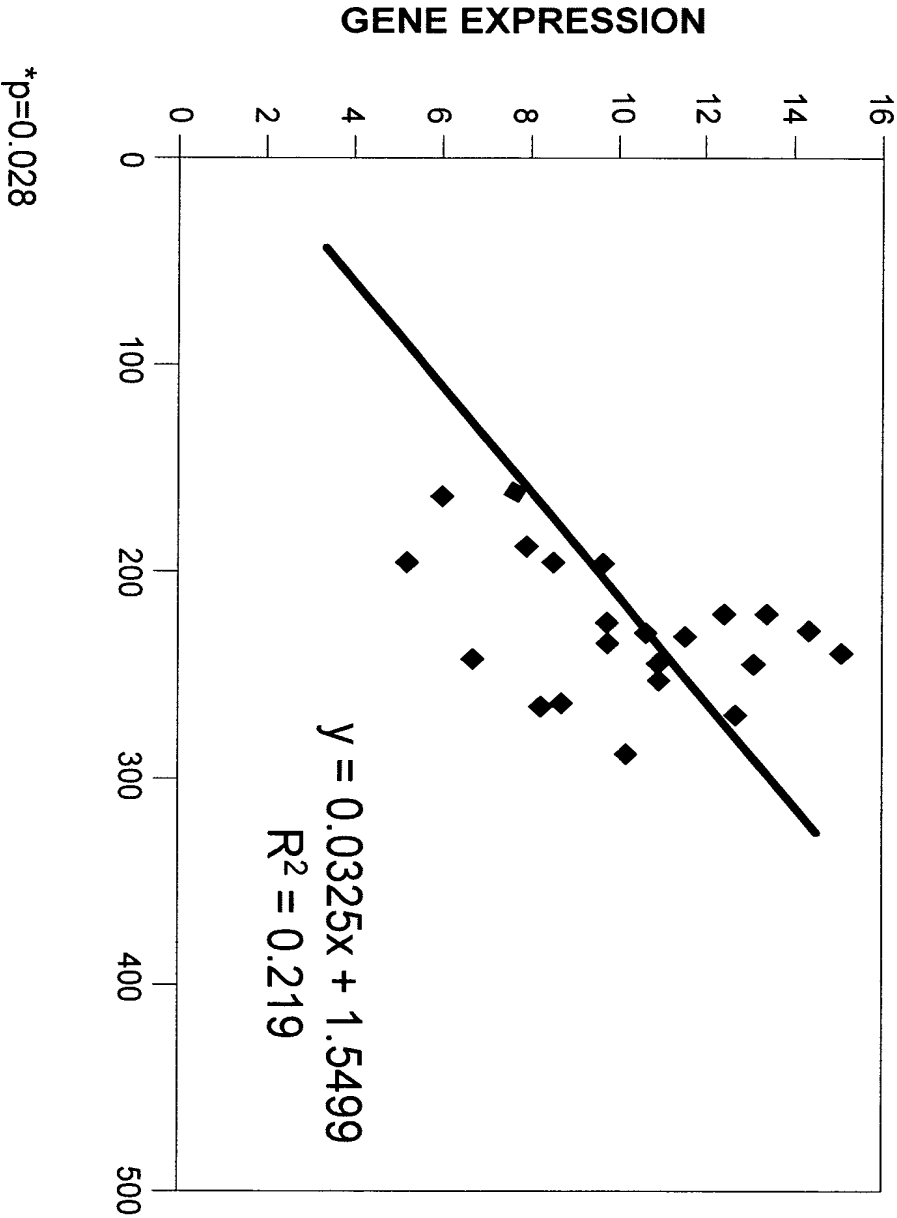


FIGURE 4C

PLA2 v Insulin (Fasted animals)

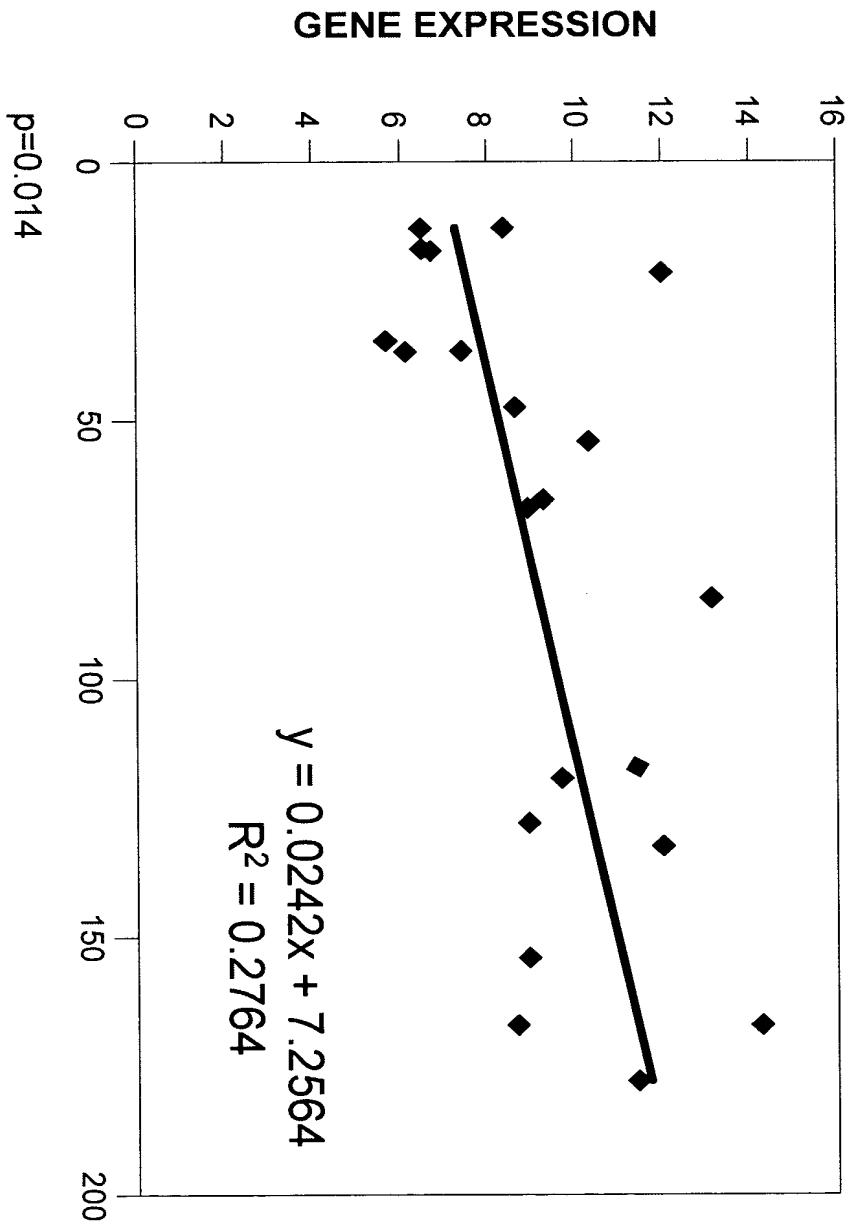


FIGURE 4D

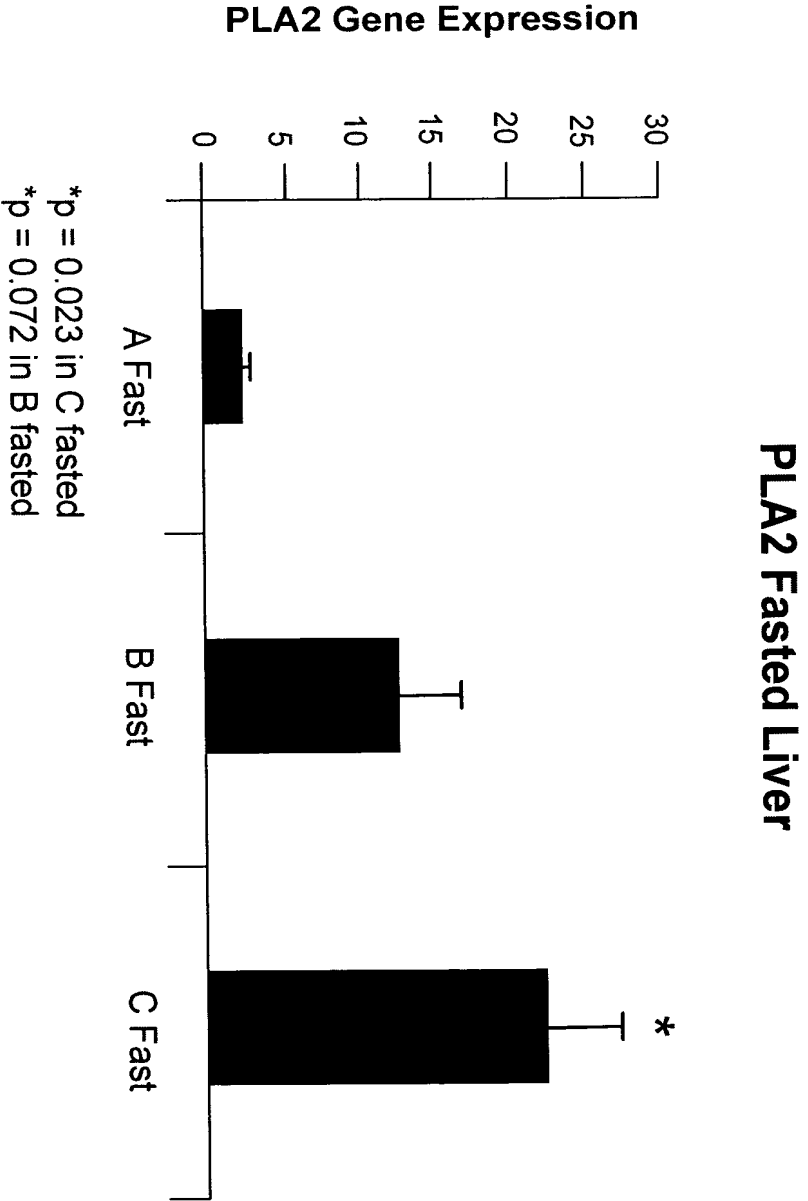


FIGURE 4E

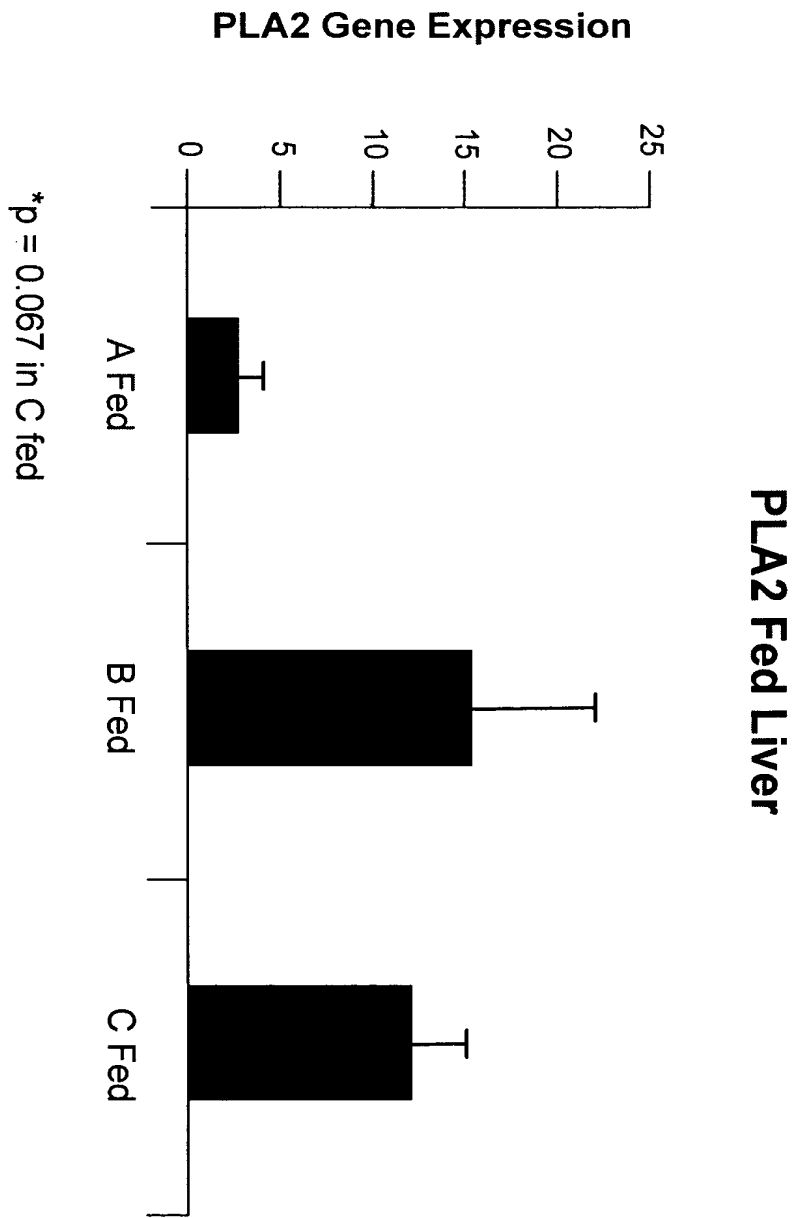


FIGURE 4F

PLA2 v Weight - Fasted animals

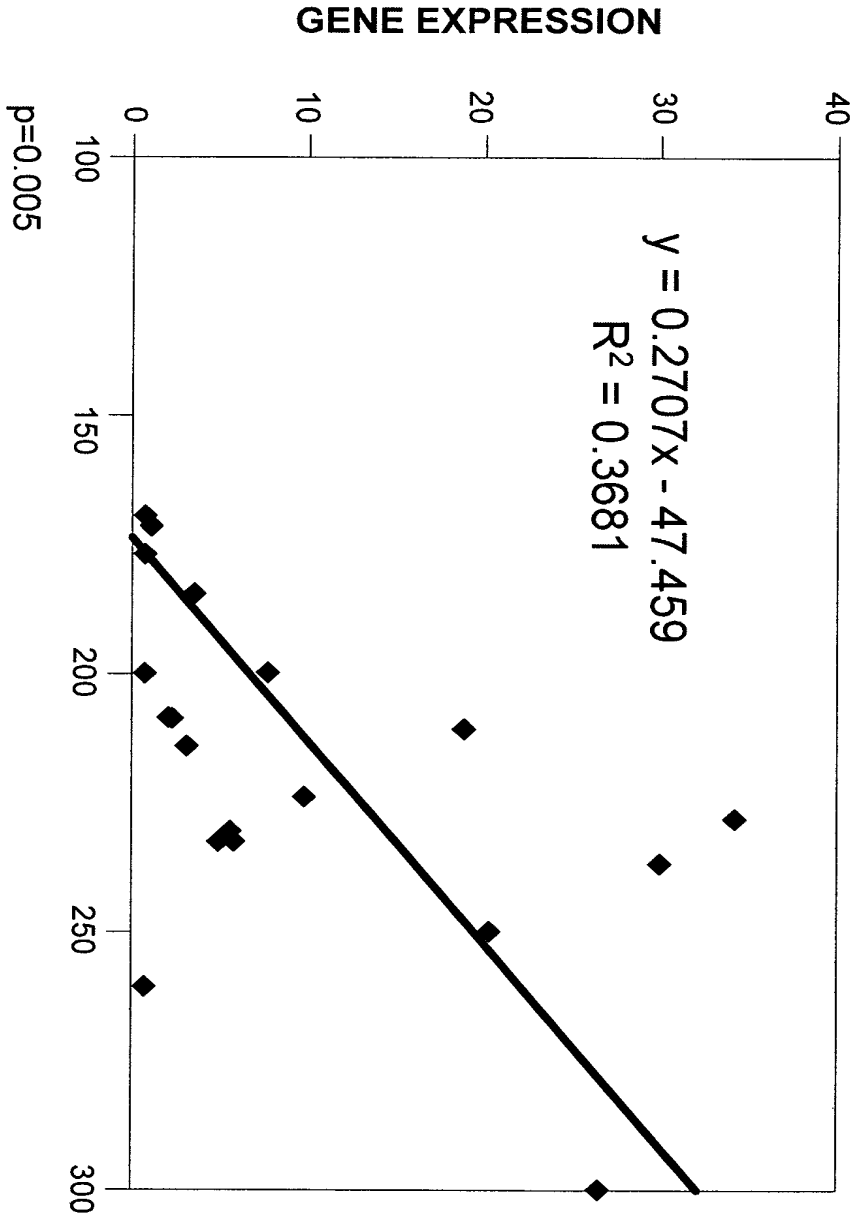


FIGURE 4G

Gene Expression

$y = 0.0868x + 3.0103$
 $R^2 = 0.2709$

$p < 0.02$
 $p = 0.013$

FIGURE 411

PLA2 v Insulin Fasted Animals

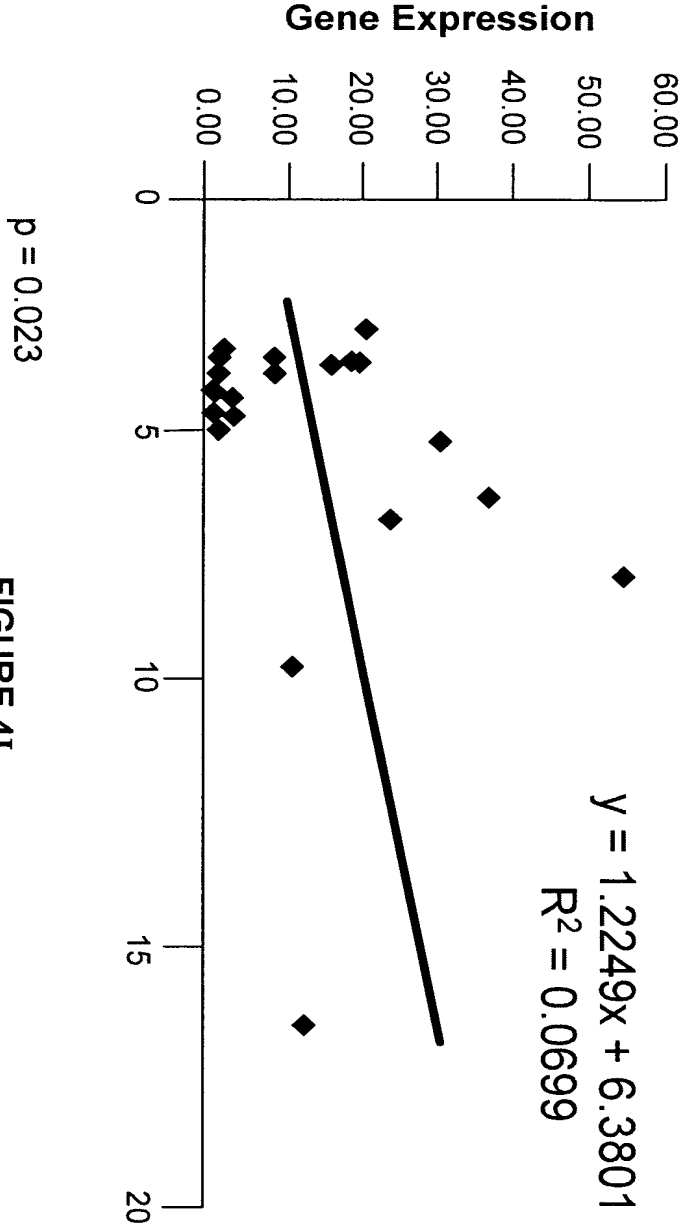


FIGURE 4I

PLA2 v Weight - Fed Animals

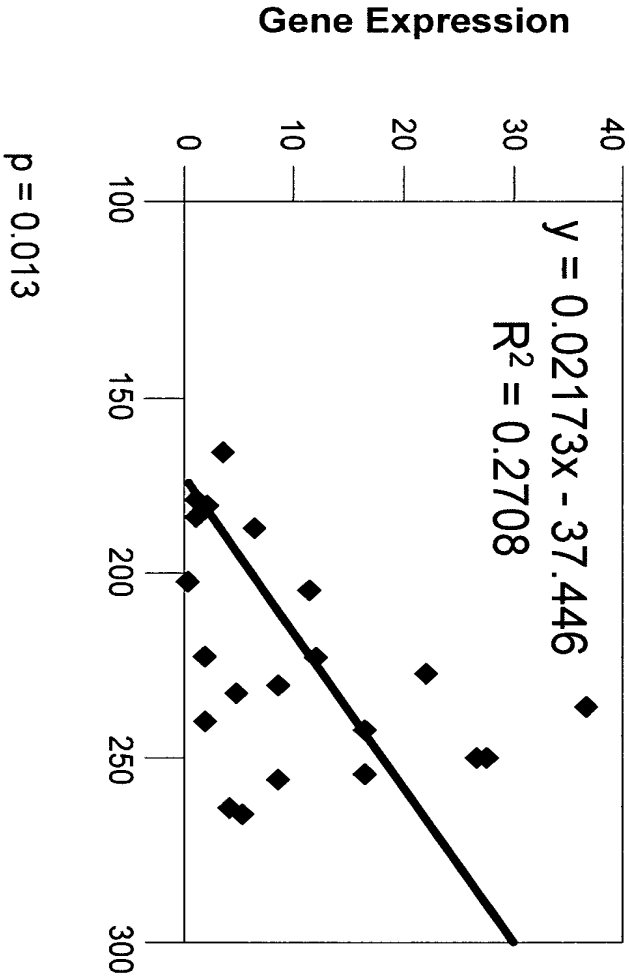


FIGURE 4J

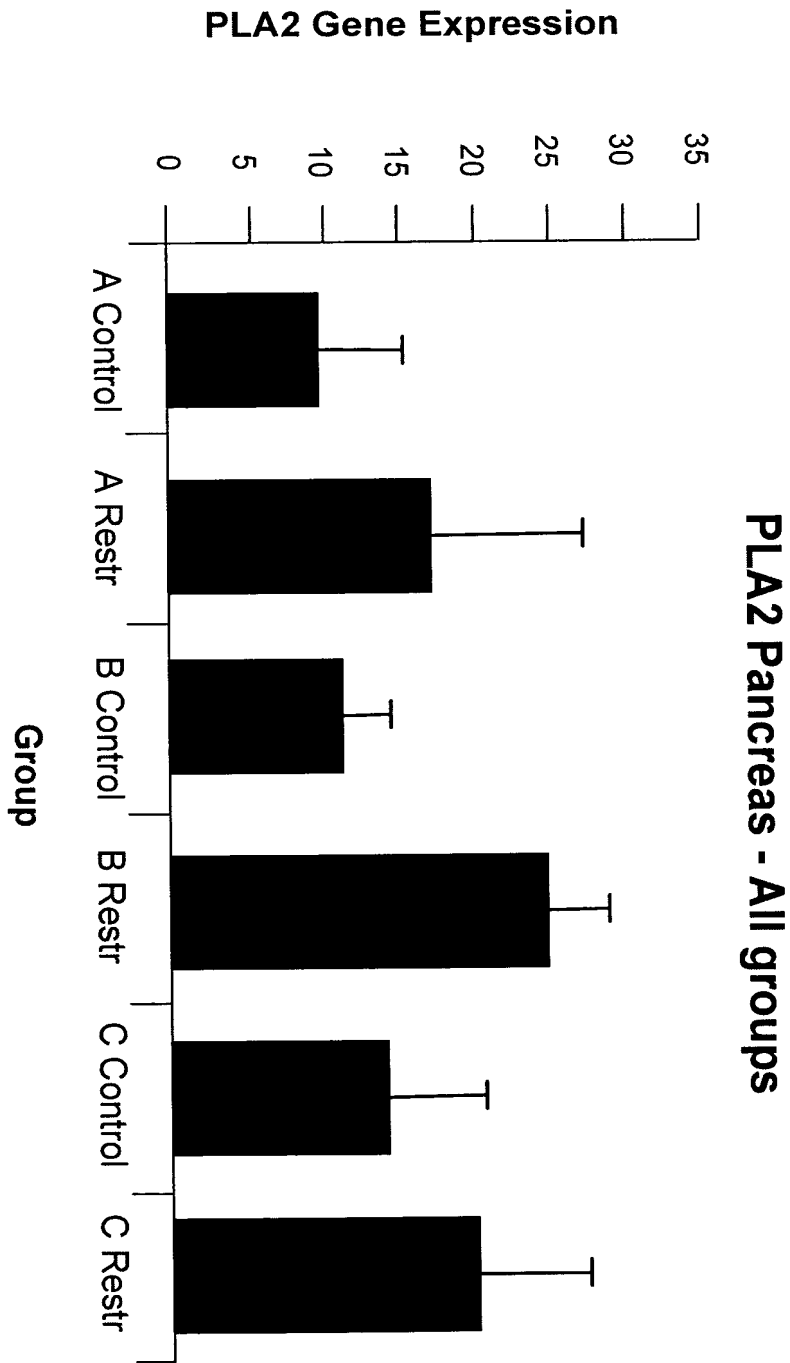


FIGURE 4K

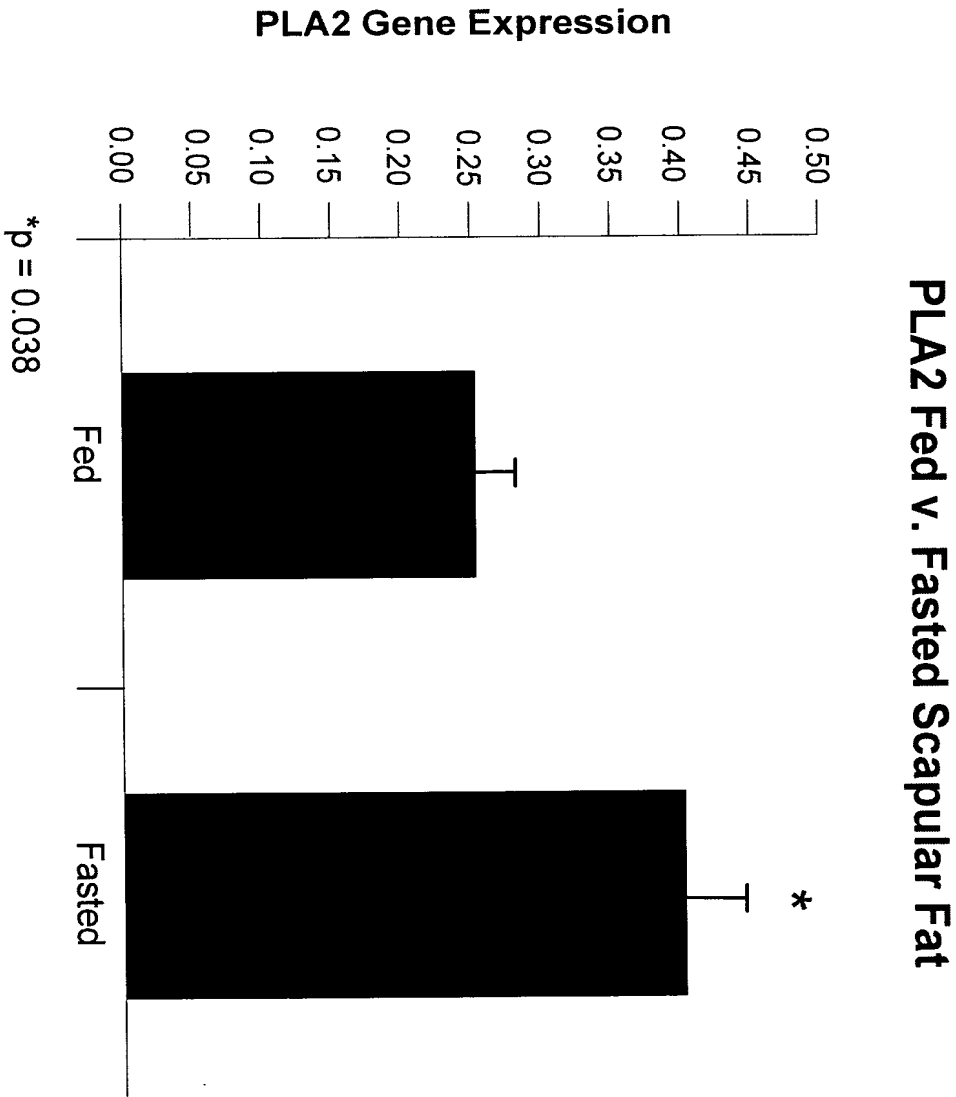


FIGURE 4L

Human	TGGTCATCTCAGTTTCTTTTCTCACCTTGACTGCAAGATGAAACTCCTTGTGCTAGCTGT	60
Mouse	-----CTCCCTCACTCCTTCTGAAGATGAAACTCCTTCTGCTGGCTGC	44
Rat	-----CCCTCGCCAAGATGAAACTCCTTCTGCTGGCTGC	34
Psammomys	-----	
Human	GCTGCTCACAGTGGCCGCCGCCGACAGCGGCATCAGCCCTCGGGCCGTGTGGCAGTTCCG	120
Mouse	TCTGCTCACAGCAGGCGCTGCTGCACACAGCATCAGCCCTCGGGCTGTGTGGCAGTTCCG	104
Rat	TTTGCTCACAGCAGGCGTTACTGCACACAGCATCAGCACTCGGGCTGTGTGGCAGTTCCG	94
Psammomys	-----TGTTCCG	7

Human	CAAAATGATCAAGTGCGTGATCCCGGGGAGTGACCCCTTCTTGGAATACAACAACCTACGG	180
Mouse	CAATATGATCAAGTGCACCATCCCCGGGAGTGATCCCCTGAAGGATTACAACAACCTATGG	164
Rat	CAATATGATCAAGTGCACCATCCCCGGGAGTGATCCCCTGAGGGAGTACAACAACCTACGG	154
Psammomys	CAATATGATCAAGTGCGCCATCCCCGGAAGTAAGCCCCTGAAGGAGTACAACAACCTACGG	67
	*** ***** *	
Human	CTGCTACTGTGGCTTGGGGGGCTCAGGCACCCCGTGGATGAACTGGACAAGTGCTGCCA	240
Mouse	CTGCTACTGTGGCTTGGGCGGCTGGGGCACCCAGTGGACGACTTAGACAGGTGCTGCCA	224
Rat	CTGCTACTGTGGCTTGGGCGGCTCAGGCACCCAGTGGACGACTTAGACAGGTGCTGCCA	214
Psammomys	CTGCTACTGCGGCCTGGGCGGCGCAGGCACCCAGTGGACGAATTAGACAGGTGCTGCCA	127
	***** *	
Human	GACACATGACAACTGCTATGACCAGGCCAAGAAGCTGGACAGCTGTAAATTTCTGCTGGA	300
Mouse	GACTCATGACCACTGCTACAGTCAGGCCAAGAAGCTGGAAAGCTGTAAATTCCTCATAGA	284
Rat	GACTCATGACCACTGCTACAATCAGGCCAAGAAGCTGGAAAGCTGTAAATTCCTCATCGA	274
Psammomys	GATCCATGACAATTGCTACACTAAGGCCAAGAGGCTGAAAAGCTGTAAATCCCTCCTGGA	187
	** ***** *	
Human	CAACCCGTACACCCACACCTATTCTACTCGTGCTCTGGCTCGGCAATCACCTGTAGCAG	360
Mouse	CAACCCCTACACCAACACTTACTCCTACTCATGCTCCGGGAGCGAGATCACCTGCAGCGC	344
Rat	CAACCCCTACACCAACACGTACTCATAAAGTGCTCCGGGAACGTGATCACCTGCAGCGA	334
Psammomys	CAACCCCTACACCCACTCATACTCGTACAAGTGCTCCGGGAATGAGATCATCTGTAGTGA	247
	***** ***** *	
Human	CAAAAACAAGAGTGTTGAGGCCTTCATTTGCAACTGCGACCGCAACGCTGCCATCTGCTT	420
Mouse	CAAAAACAACAAATGCGAGGACTTCATCTGCAACTGTGACCGTGAGGCCGCCATCTGCTT	404
Rat	CAAAAACAACGACTGTGAGAGCTTCATCTGCAACTGTGACCGGCAGGCCGCCATCTGTTT	394
Psammomys	CAAAAACAAGGAATGCGAGGCNTTCATCTGCAACTGTGACCG-----	289
	***** *	
Human	TTCAAAAGCTCCATATAACAAGGCACACAAGAACCTGGACACCAAGAAGTATTGTCAGAG	480
Mouse	CTCCAAGGTCCCGTACAACAAGGAATACAAAACCTTGACACCGGGAAATTCGTTAGCC	464
Rat	CTCCAAGGTCCCTACAACAAGGAATACAAAGACCTTGACACCAAGAAACACTGTTAGGC	454
Psammomys	-----	
Human	TTGAATATCACCTCTCAAAGCATCACCTCTAT-----CTGCCTCATCTC-ACACTG	531
Mouse	TGTCACCTCACTTCCTGCCCACGCCGACCCCGCCACCTTGCTGTCTTATTTT-ACCCTG	523
Rat	TGTCACCCCACTTCCTGTCTATGCCGTCCCGCTCCCCTTGCTGTCTTATTTCTGCACCG	514
Psammomys	-----	
Human	TACTCTCCAATAAAGCACCTTGTTGAAAGAA	562
Mouse	CGCCCTCTAATAAAGTACCT-GCTGTCAGA-	552
Rat	CACCTCTAATAAAGTACCA-GCAGAAAG--	542
Psammomys	-----	

FIGURE 5A

Human	MKLLVLAVLLTVAAADSGISPRVWQFRKMIKCVIPGSDPFLEYNNYGCYCGLGGSGTPV	60
Mouse	MKLLLLAALLTAGAAHSISPRAVWQFRNMIKCTIPGSDPLKDYNNYGCYCGLGGWGTPV	60
Rat	MKLLLLAALLTAGVTAHSISTRVWQFRNMIKCTIPGSDPLREYNNYGCYCGLGGSGTPV	60
Psammomys	MKLLLLAALLTAGVGAHSISTRVWQFGNMIKCAIPGSKPLKEYNNYGCYCGLGGAGTPV	60
	****:*.***... **.*.*****:*****.***.*: :***** *****	
Human	DELDKCCQTHDNCYDQAKKLDSCFLLDNPYHTYTSYSCSGSAITCSSKNKECEAFICNC	120
Mouse	DDLDRCCQTHDHCYSQAKKLESCKFLIDNPYTNTYSYSCSGSEITCSAKNNKCEDFICNC	120
Rat	DDLDRCCQTHDHCYNQAKKLESCKFLIDNPYTNTYSYKCSGNVITCSDKNNDCESEFICNC	120
Psammomys	DELDRCQIHDNCYTKAKRLKSKSLDNPYTHSYKCSGNEIICSCKNKECEAFICNC	120
	*:***:*** **:*** :*:*.*** *:*****:***.***. * ** **:*.** *****	
Human	DRNAAICFSKAPYNKAHKNLDTKKYCQS	148
Mouse	DREAAICFSKVPYNKEYKNLDTGKFC--	146
Rat	DRQAAICFSKVPYNKEYKDLDTKKHC--	146
Psammomys	DRAAAICFSKAPYNKQDKNLNTKKNC--	146
	** *****.***** *.*:*: * *	

FIGURE 5B